

ABSTRACT OF THE DISCLOSURE:

A method and apparatus for providing concurrent applications of intermittent pneumatic compression therapy and vacuum assisted closure therapy generally comprises a wound dressing for introduction of a negative pressure into a wound on a patient's foot and a foot wrap for application of positive, compressive forces to substantially all of the patient's foot. A suction pump, having an associated vacuum sensor and first feedback mechanism, supplies negative pressure to the wound dressing. A ventable source of pressurized gas, having an associated pressure transducer and second feedback mechanism, supplies positive force to the foot wrap. At least one control system is operably associated with the suction pump and ventable source of pressurized gas for controlling the negative and positive applications of pressure to the patient's foot. Controlled modes for operation include continuous or intermittent application of one or both therapies and simultaneous or cycled application of the therapies.